

Rabbit MAPK8 Polyclonal Antibody | anti-MAPK8 antibody

MAPK8 Antibody

CATALOG # AAA170441	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
-------------------------------	-----------------------	--	-------------------------------------

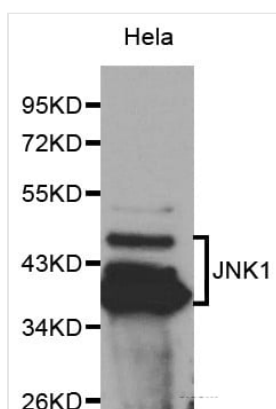
PRODUCT SYNONYMS

MAPK8; Polyclonal Antibody; MAPK8 Antibody; JNK; JNK1; JNK1A2; JNK21B1/2; PRKM8; SAPK1; anti-MAPK8 antibody

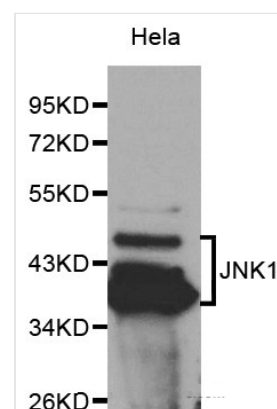
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	427
Applicable Applications for anti-MAPK8 antibody	WB (Western Blot)
Immunogen	Recombinant protein of human MAPK8
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-46006 / sc-46009 / sc-46007 / sc-46008 / sc-571 / sc-474
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



Application Data



WB (Western Blot)

Western blot analysis of extracts of HeLa cells using MAPK8 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK8 antibody	The stress-activated protein kinase/Jun-amino-terminal kinase SAPK/JNK is potently and preferentially activated by a variety of environmental stresses including UV and gamma radiation, ceramides, inflammatory cytokines, and in some instances, by growth factors and GPCR agonists (1-6). As with the other MAPKs, the core signaling unit is composed of a MAPKKK, typically MEKK1-MEKK4, or by one of the mixed lineage kinases (MLKs), which phosphorylate and activate MKK4/7. Upon activation, MKKs phosphorylate and activate the SAPK/JNK kinase (2). Stress signals are delivered to this cascade by small GTPases of the Rho family (Rac, Rho, cdc42) (3). Both Rac1 and cdc42 mediate the stimulation of MEKKs and MLKs (3). Alternatively, MKK4/7 can be activated in a GTPase-independent mechanism via stimulation of a germinal center kinase (GCK) family member (4). There are three SAPK/JNK genes each of which undergoes alternative splicing resulting in numerous isoforms (3). SAPK/JNK, when active as a dimer, can translocate to the nucleus and regulate transcription through its effects on c-Jun, ATF-2, and other transcription factors (3, 5).
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	2507195
NCBI GeneID	5599
Molecular Weight	35,333 Da
NCBI Official Full Name	Mitogen-activated protein kinase 8
NCBI Official Synonym Full Names	mitogen-activated protein kinase 8
NCBI Official Symbol	MAPK8
NCBI Official Synonym Symbols	JNK; JNK1; PRKM8; SAPK1; JNK-46; JNK1A2; SAPK1c; JNK21B1/2
NCBI Protein Information	mitogen-activated protein kinase 8; JUN N-terminal kinase; MAP kinase 8; c-Jun N-terminal kinase 1; mitogen-activated protein kinase 8 isoform JNK1 alpha1; mitogen-activated protein kinase 8 isoform JNK1 beta2; stress-activated protein kinase 1; stress-activated protein kinase 1c
UniProt Protein Name	Mitogen-activated protein kinase 8
UniProt Gene Name	MAPK8
UniProt Synonym Gene Names	JNK1; PRKM8; SAPK1; SAPK1C; MAP kinase 8; MAPK 8; SAPK1c
UniProt Entry Name	MK08_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.